

Response to OA of November 21, 2003
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AMENDMENTS TO THE CLAIMS

Please amend the claims of the present application as set forth below.

In accordance with the PTO's revised amendment format, a detailed listing of all claims has been provided. A status identifier is provided for each claim in a
5 parenthetical expression following each claim number. Changes to the claims are shown by strikethrough (for deleted matter) or underlining (for added matter).

Claim History Summary:

10 Claims 1-56 were originally filed.

An election was made as to species of Figure 9B in Paper No. 7.

As a result of the election, claims 3-6, 9, 10, 12-31, 33-36, 39-48, 50 51,
54 and 55 were withdrawn from consideration.

Claims 1, 2, 7, 8, 11, 32, 37, 38, 49, 52, 53 and 56 were deemed
15 pending.

Claims 1, 2, 7, 8, 11, 32, 37, 49 and 52 are rejected in the present Office
Action.

Claims 38, 53 and 56 are objected to in the present Office Action.

20 **Claim Summary of Present Response:**

Claims 1, 7, 8 and 11 are currently amended.

Claims 57, 58 and 59 are new.

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Claim 42 is requested to be reinstated as part of the elected species.

Claims 1, 2, 7, 8, 11, 32, 37, 38, 49, 52, 53, and 56-59 are pending.

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Detailed Listing of All Claims 1-59:

Claim 1 (Currently amended). A heat exchanger comprising:

- 5 a. a core having a variable size; and
 b. a support structure connected to the core, the support
structure having a fluid-biased, deformable member for accommodating
variations in the size of the core.

10 Claim 2 (Original). The heat exchanger of Claim 1, wherein the support
structure further comprises a biasing member for applying a biasing force to the
core.

Claims 3-6 (Withdrawn).

15 Claim 7 (Currently amended). The heat exchanger of Claim 2¹, wherein the
deformable member comprises a bellows.

20 Claim 8 (Currently amended). The heat exchanger of Claim 8², wherein the
biasing member comprises the bellows.

Claims 9-10 (Withdrawn).

Claim 11 (Currently amended). A heat exchanger comprising:

- 25 a. a core having a variable length; and
 b. a support structure, wherein the core is received by the
support structure, wherein the support structure comprises a fixed member and
an attached fluid-biased, deformable member for accommodating variations in
the length of the core while applying a biasing force to the core.

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Claims 12-31 (Withdrawn).

5 Claim 32 (Original). The heat exchanger of Claim 11, wherein the fixed member comprises a first end and a second end, wherein the first end and the second end are positioned about the core, wherein the first end is in contact with the core, wherein the biased deformable member is mounted between the core and the second end of the fixed member, so that the biased deformable member is deformed as the length of the core varies.

10 Claims 33-36 (Withdrawn).

Claim 37 (Original). The heat exchanger of Claim 32, wherein the biased deformable member is a bellows.

15 Claim 38 (Original). The heat exchanger of Claim 37, wherein the bellows is wider than the core.

Claims 39-41 (Withdrawn).

20 Claim 42 (Reinstated - formerly claim 42). The heat exchanger of Claim 37, wherein the bellows comprises a first plate, a second plate and an expandable side wall mounted between the first plate and the second plate.

Claims 43-48 (Withdrawn).

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Claim 49 (Original). The heat exchanger of Claim 11, wherein the core comprises a first end and a second end, wherein the variable length of the core is set between the first end and the second end, wherein the fixed member comprises a first section and a second section, wherein the first section of the
30 fixed member abuts the first end of the core, wherein the biased deformable

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member is mounted between the second end of the core and the second section of the fixed member, so that the biased deformable member is deformed as the length of the core varies.

5 Claims 50-51 (Withdrawn).

Claim 52 (Original). The heat exchanger of Claim 49, wherein the biased deformable member is a bellows.

- 10 Claim 53 (Original). The heat exchanger of Claim 52, wherein the bellows comprises a first plate, a second plate and an expandable side wall mounted between the first plate and the second plate.

Claims 54-55 (Withdrawn).

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Claim 56 (Original). The heat exchanger of Claim 38, wherein the core is pressurized with a gas and wherein the bellows is in fluid communication with the core, so that the bellows has substantially the same gas pressure as the core.

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Claim 57 (New). A heat exchanger comprising:

- a. a core having a variable length; and
 - b. a support structure, wherein the core is received by the support structure, wherein the support structure comprises a fixed member and
- 25 an attached bellows for accommodating variations in the length of the core while applying a biasing force to the core, wherein the bellows is wider than the core, wherein the fixed member comprises a first end and a second end, wherein the first end and the second end are positioned about the core, wherein the first end is in contact with the core, and wherein the bellows is mounted

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between the core and the second end of the fixed member, so that the bellows is deformed as the length of the core varies.

5 Claim 58 (New). The heat exchanger of claim 57 wherein the core is pressurized with a gas and wherein the bellows is in fluid communication with the core, so that the bellows has substantially the same gas pressure as the core.

10 Claim 59 (New). A heat exchanger comprising:
a. a core having a variable length; and
b. a support structure, wherein the core is received by the support structure, wherein the support structure comprises a fixed member and an attached bellows for accommodating variations in the length of the core while applying a biasing force to the core wherein the bellows comprises two
15 plates with an expandable wall mounted between the plates and wherein the bellows is wider than the core.

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